



JPW

PTO/SB/21 (09-04)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

49

Application Number

10/822,856

Filing Date

13 April 2004

First Named Inventor

James K. Jacobs

Art Unit

2838

Examiner Name

Attorney Docket Number

EV0302A

ENCLOSURES (Check all that apply)

- | | | |
|---|---|---|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to TC |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Terminal Disclaimer | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Request for Refund | 14 documents (cited on IDS) return postcard |
| <input checked="" type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> CD, Number of CD(s) _____ | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> Landscape Table on CD | |
| <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application | Remarks | |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name
Electrovaya Patent Department

Signature
David B. Woycechowsky

Printed name
David B. Woycechowsky

Date
10 November 2004

Reg. No. 39,079

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature
n/a; being sent by FedEx.

Typed or printed name

Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	4
-------	---	----	---

Complete it knowing

Application Number	10/822,856
Filing Date	13 April 2004
First Named Inventor	James K. Jacobs
Art Unit	2838
Examiner Name	Not yet assigned
Attorney Docket Number	EV0302A

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US- 5,663,874	09-02-1997	Mader et al.	All
	2	US- 5,691,870	11-25-1997	Gebara	All
	3	US- 5,731,731	03-24-1998	Wilcox et al.	All
	4	US- 5,870,284	02-09-1999	Stewart et al.	All
	5	US- 5,903,767	05-11-1999	Little	All
	6	US- 5,966,003	10-12-1999	Takimoto et al.	All
	7	US- 6,034,517	03-07-2000	Schenkel	All
	8	US- 6,075,295	06-13-2000	Li	All
	9	US- 6,262,905-B1	07-17-2001	Zhang et al.	All
	10	US- 6,448,672-B1	09-10-2002	Voegeli et al.	All
	11	US- 6,465,909	10-15-2002	Soo et al.	All
	12	US- 6,476,589	11-05-2002	Umminger et al.	All
	13	US- 6,480,367-B2	11-12-2002	Shi et al.	All
	14	US- 6,483,204	11-19-2002	Hanaki	All
	15	US- 6,559,492-B1	05-06-2003	Hazucha et al.	All
	16	US- 6,580,258	06-17-2003	Wilcox et al.	All
	17	US- 6,583,520	06-24-2003	Shi et al.	All
	18	US- 6,608,402	08-19-2003	Soo et al.	All
	19	US- 6,756,689	06-29-2004	Nam et al.	All

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

(*) This information is required to obtain or retain a benefit by the public which is to file (and by the

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/822,856
Filing Date	13 April 2004
First Named Inventor	James K. Jacobs
Art Unit	2838
Examiner Name	
Attorney Docket Number	EV0302A

Sheet 2 of 4**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	20	US- 6,774,611	08-11-2004	Umminger et al.	All
	21	US- 2001/0007134-A1	07-05-2001	Odaohhara	All
	22	US- 2002/0112191-A1	08-15-2002	Pelissier et al.	All
	23	US- 2002/0188875-A1	12-12-2002	Hwang et al.	All
	24	US- 2003/0009702-A1	01-09-2003	Park	All
	25	US- 2003/0031034-A1	02-13-2003	Rodriguez et al.	All
	26	US- 2003/0185030-A1	10-02-2003	Uematsu	All
	27	US- 2003/0220026-A1	11-27-2003	Oki et al.	All
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/822,856
		Filing Date	13 April 2004
		First Named Inventor	James K. Jacobs
		Art Unit	2838
Examiner Name			
Attorney Docket Number	EV0302A		
Sheet	3	of	4

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	28	NO AUTHOR, "National Semiconductor Unveils Innovative, 100 V Cascaded DC-DC ...," Web: http://www.national.com/news/item/0,1735,835,00.html , 2/3/2003, Internet publication	
	29	NO AUTHOR, "Cascaded dc-dc controller-driver chipset," Web: http://www.ferret.com.au/articles/ff/0c0142ff.asp , 2/13/2003, Internet publication	
	30	NO AUTHOR, "Chipset Raises High-to-Low Voltage DC/DC Conversion ...," Web: http://powerelectronics.com/ar/power_chipset_raises_hightolow/ , 2/5/2003, Internet publication	
	31	NO AUTHOR, "Adjustable Output TFT-LCD Triple switching Regulator" Web: http://www.linear.com.cn/prod/datasheet.html?datasheet=764 , undated, Internet publication	
	32	WU, "SOT-23 Switching Regulator with Integrated 1A ...," Internet pub'l, Web: http://www.linear.com/pub/document.html?pub_type=desn&document=258 , 6/2000	
	33	NO AUTHOR, "LT1943: High Current Quad Output Regulator ...," Web: http://www.linear.com/pub/document.html?pub_type=pr&document=512 , 12/23/2003, Internet Publication.	
	34	NO AUTHOR, "LT1976: 60Vin, 1.5A Step-Down Switching Regulator Has ...," Web: http://www.linear.com/pub/document?htmlpub_type=pr&document=486 , 9/2/2003, Internet publication	
	35	CHEE et al., "Highly Integrated High Efficiency DC/DC Conversion," Web: http://www.linear.com/pub/document.html?pub_type=desn&document=118 , 3/1995, Internet Publication	
	36	NO AUTHOR, "LTC1439G: Full Featured Multiple-Output DC/DC Converter ...," Web: http://www.linear.com/pub/document.html?pub_type=pr&document=98 , 9/26/1997, Internet publication	
	37	NO AUTHOR, "Power Management and Wireless Solutions for Handheld Applications," Linear Technology Chronicle, 2003, pp. 1-5, 8, vol. 12, no. 6, Internet Publication	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/822,856
		Filing Date	13 April 2004
		First Named Inventor	James K. Jacobs
		Art Unit	2838
		Examiner Name	
Sheet 4	of 4	Attorney Docket Number	EV0302A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	38	NO AUTHOR, "power management solutions for Programmable Logic ICs," Linear Technology Chronicle, 10/2002, pp. 1-8, vol. 11, no. 10, Internet Publication	
	39	NO AUTHOR, multiple articles, Linear Technology Chronicle, 6/1998, pp. 1, 2, 4, vol. 7, no. 6, Internet Publication	
	40	NO AUTHOR, "The LT1533 Heralds a New Class of Low Noise Switching Regulators," Linear Technology Magazine, 8/1997, pp. 1-5, vol. VII, no. 3, Internet Publication	
	41	NO AUTHOR, "Dual 550kHz Synchronous Switching Regulator ...," Web: http://www.linear.com/prod/datasheet.html?datasheet=799 , undated, Internet Publication.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.